



## PRINTASHRINK CPF/FR (FLAT)

## TECHNICAL DATA

**Printashrink CPF/FR (FLAT) is a flattened 2:1 shrink ratio UL approved, heatshrink polyolefin ideal for printers. It is UL approved, has a working temperature of 125°C and is fire retardant. It is available in a number of colours and sizes up to 50.8mm ID and can be [cut](#) and [printed](#) as required.**

This continuous 2:1 heatshrink polyolefin tube is supplied flat making it compatible with most printers. It is a UL/CSA approved sleeve with a 125°C working temperature and excellent electrical, chemical and physical properties. It is available on bulk and smaller reels to suit any print set up and is used in a number of commercial and industrial applications. We offer our full range of printing and cutting services on this high quality, commercial sleeve making it perfect for identification, branding and marking requirements.

- **SHRINK RATIO**  
2:1
- **SHRINK TEMPERATURE**  
+85°C
- **OPERATING TEMPERATURE**  
-40°C – +125°C
- **COLOURS**  
Yellow, White, Other colours available upon request
- **SIZES**  
2.4mm – 50.8mm
- **PACKING**  
Reels, mini-reels, mini-packs, cut to length, kits, cut sleeves
- **PRINT**  
Yes, full range of text and logo
- **APPROVALS**  
SAE AS-5492, MIL-STD-202G, BS EN 50343:2014 Annex H Section 3, UL224, CSA, RoHS compliant
- **APPLICATIONS / INDUSTRIES**  
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive

Properties	Typical Values	Test Methods
<b>GENERAL</b>		
Operating temperature	-40°C – +125°C	
Minimum shrink temperature	85°C	
Shrink ratio	2:1	
<b>PHYSICAL</b>		
Tensile Strength	10.4Mpa	GB/T1040
Ultimate elongation	≥ 200	GB/T1040
Longitudinal change	+/-5%	UL224

<b>THERMAL</b>		
Flammability	Pass	UL224
Heat shock (4hrs)	No dripping, flowing or cracking	ASTM D 2671
Heat ageing (168hrs)	@ 158°C elongation 100%	ASTM D 638
<b>ELECTRICAL</b>		
Dielectric strength	15kV/mm <sup>2</sup>	
<b>CHEMICAL</b>		
Chemical resistance	Good	AMS-DTL-23053/5
Copper corrosion	No corrosion	UL224
Copper stability	No corrosion	UL224

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
2.4	2.4	1.2	0.57
3.2	3.2	1.6	0.61
4.8	4.8	2.4	0.67
6.4	6.4	3.2	0.71
9.5	9.5	4.8	0.77
12.7	12.7	6.4	0.80
19.1	19.1	9.5	0.84
25.4	25.4	12.7	0.86
38.1	38.1	19.0	0.89
50.8	50.8	25.4	0.90

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us.